

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-60. (cancelled)

61. (previously presented) Device for packaging products having a head and a stick, such as lollipops, in wraps, comprising a frame including first supply means for supplying the products, second means for supplying a web of wrapping material, means for cutting a wrap from the web, a wrapping station having a driven series of means for retaining the products and circulating in a first direction about a horizontal shaft, and a drum driven in the same direction having means for enveloping the product heads with a wrap and means for securing the wrap on the products, the wrapping station comprising a supply station and a discharge station, the second supply means being positioned for supplying the web of wrapping material according to a path that is tangential to the drum, in a direction running along with the drum rotation.

62. (previously presented) Device according to claim 61, the second supply means being positioned for substantially vertical supply.

63. (previously presented) Device according to claim 62, the retaining means and the drum being driven for carrying

out a substantially downward motion at the location of the supply station.

64. (previously presented) Device according to claim 61, wherein the second supply means are adapted for continuous supply of the web of wrapping material to the supply station.

65. (previously presented) Device according to claim 61, wherein the second supply means are adapted for supply of the web of wrapping material to said supply station with said web in a plane which is perpendicular to the horizontal shaft.

66. (previously presented) Device according to claim 61, furthermore provided with a discharge station for discharge of the packaged products from the retaining means, the discharge station being placed at the location of the upper side of the drum.

67. (previously presented) Device according to claim 61, the second supply means being adapted for continuous supply of the web of wrapping material.

68. (previously presented) Device according to claim 67, the second supply means and the means for driving the drum being adjustable to each other for causing the web speed of the web of wrapping material to be equal to the circumferential speed of the drum at the location of the retaining means.

69. (previously presented) Device according to claim 67, the second supply means comprising a pair of drive rollers and a servo motor for the driving thereof.

70. (previously presented) Device according to claim 61, furthermore provided with means for detecting markings on the web of wrapping material, such as a photocell, means for measuring the web speed, as well as with means for determining the actual distance between the markings based on the data of the detection means and the measuring means and means for adjusting the drive of the web of wrapping material to the determined actual distance between the markings.

71. (previously presented) Device according to claim 70, the cutting means being positioned stationary, but adjustable in the transport direction of the web, preferably at half a wrap length upstream from a radial plane through the drum perpendicular to the transport direction of the web.

72. (previously presented) Device according to claim 70, the drive of the cutting means being synchronisedly coupled to the drive means for the drum, so that the cutting means run in register with the retaining means etc. on the drum.

73. (previously presented) Device according to claim 72, an encoder being provided on the cutting means or on the drive means for the drum, and the encoder being coupled to a control unit for mutual adjustment to the control of the driving of the web of wrapping material.

74. (previously presented) Device according to claim 61, the drum being provided with means for gripping the product head after the product head has been enveloped with a wrap, and

with means for rotating the head gripping means during securing the wrap on the product by the securing means, which gripping means have two pairs of opposite arms.

75. (previously presented) Device according to claim 61, the securing means comprising heat welding arms that are also part of the enveloping means and forming a kind of diaphragm in there, the drum furthermore being provided with means for moving the heat welding arms from a first position in which they define a passage for the product head and a second position in which the wrap is secured by heat welding, the heat welding arms being provided with welding heads, that are connected to a power source by means of bendable conductive strips, preferably copper strips.

76. (previously presented) Device according to claim 75, the conductive strips being multiple circumferentially bent.

77. (previously presented) Device according to claim 75, the conductive strips forming torsion springs.

78. (previously presented) Device according to claim 75, the conductive strips being conductively connected to conductors that are stationary with the drum.

79. (previously presented) Device according to claim 78, the conductive strips being connected to conductors that are stationary with the drum at a location between the strip ends and at the ends being connected to members stationary with the heat welding arms.

80. (previously presented) Device according to claim 75, two bendable conductive strips being provided for each heat welding arm, which strips have been connected to both the exits of the power source, respectively, the bendable conductive strips preferably being spaced apart in a direction transverse to the movement of the arm.

81. (previously presented) Device according to claim 75, the heat welding arms being positioned rotatable about their own arm shafts, preferably being rotatable about spaced apart shafts, preferably spaced apart in radial direction of the drum, both heat welding arms preferably being coupled to each other for simultaneous movement.

82. (previously presented) Device according to claim 81, the shafts of the respective heat welding arms being provided with inter-engaging teeth, one of the shafts being driven.

83. (previously presented) Device according to claim 82, the driven shaft being driven in the drum by means of leverage.

84. (previously presented) Device according to claim 79, the conductive strips being conductively connected to conductors that are stationary with the drum, several heat welding arms arranged in the circumferential sense of the drum being attached to the stationary conductors.

85. (previously presented) Device according to claim 75, at least one of all heat welding arms being provided with

means for measuring the welding temperature at the welding head, which measuring means have been connected to regulating means for the power source for the welding heads for delivering a respective measuring signal.

86. (previously presented) Device according to claim 85, the measuring means comprising a PT100 element on the heat welding arm.

87. (previously presented) Device according to claim 85, the conductive strips being conductively connected to conductors that are stationary with the drum, the measuring means comprising measuring conductors that have been attached to the stationary conductors in an insulated manner.

88. (previously presented) Device according to claim 85, the measuring means being connected to the base of a heat welding arm having a fork-shaped welding head.

89. (previously presented) Device according to claim 85, of a pair of heat welding arms only one of the arms being provided with the measuring means.

90. (previously presented) Device according to claim 85, only one of the pairs of heat welding arms being provided with the measuring means.

91-120. (cancelled)